Modulostar® CUSCC

FUSE HOLDERS, FUSE BASES AND SUPPORTS

UL/CSA FUSE HOLDERS



The innovative and comprehensive Modulostar® range of Mersen fuse-holders.

Modular fuse-holders are finger-safe under IEC standards to an IP20 grade of protection, including fuse changing (with the flick of a finger). Modular fuse-holders CUSCC are available in 1, 2, 3 or 4 poles, with or without visual blown fuse indicator.

Multi-pole units can also be field assembled by ordering pin-ties assembly kit.

Modulostar® range is made of tough and durable thermoplastic material.

They are especially recommended to be used in combination with Mersen fuse-links class CC, type: ATDR, ATMR and ATQR.

TECHNICAL DATA OVERVIEW

UL ratings AC	600 VAC, 30 A, 200 kA
UL ratings DC	600 VDC, 30 A, 100 kA
Amper (A)	30 A
SCCR	200kA AC
Mounting	Installation on to DIN rails to EN 60715
Product Size	For Class CC fuses
Number of Poles	1-pole, 2-poles, 3-poles, 4-poles, 1+N, 3+N

FEATURES & BENEFITS

- Modular design
- Compact design for space saving
- DIN rail mounting
- Degree of protection: IP20
- Finger safe
- Easy access to the fuse
- Lockable without accessory
- Sealable in closed & open position
- Optional visual blown fuse indicator
- Multi-pole assembly kit available
- Plastic material UL94V2 mini
- Plastic material R22HL2 for railway application
- Flame retardant materials with glow wire flammability index to 960°C

APPLICATIONS

- All circuits up to 600V for protection of motors, transformers, low voltage distribution, control circuits, drive protection
- Non-load operation

STANDARDS

- UL listed UL4248
- CSA Certified C22.2
- RoHS, Reach compliant









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PRODUCT RANGE

CONTROL OF THE PROPERTY OF THE

CUSCC1

Modulostar™ CUSCC without indicator

Catalog number	Item number	Number of poles/phases	Design	Package	Weight
CUSCC1	N1062796	1	CUSCC single pole	12	70 g
CUSCC1N	J1062792	1 + N	CUSCC single pole + neutral conductor	6	0.13 kg
CUSCC2	K1062793	2	CUSCC double pole	6	0.12 kg
CUSCC3	G1062790	3	CUSCC triple pole	4	0.2 kg
CUSCC3N	C1062786	3 + N	CUSCC triple pole + neutral conductor	3	0.25 kg
CUSCC4	D1062787	4	CUSCC quadruple pole	3	0.24 kg

Modulostar™ CUSCC with standard indicator



CUSCC1I

Catalog number	Item number	Number of poles/phases	Design	Voltage limit for blown fuse indicator	Package	Weight
CUSCC1I	P1062797	1	CUSCC single pole	-	12	70 g
CUSCC1NI	L1062794	1 + N	CUSCC single pole + neutral conductor	-	6	0.13 kg
CUSCC2I	M1062795	2	CUSCC double pole	-	6	0.13 kg
CUSCC3I	H1062791	3	CUSCC triple pole	-	4	0.2 kg
CUSCC3NI	E1062788	3 + N	CUSCC triple pole + neutral conductor	-	3	0.25 kg
CUSCC4I	F1062789	4	CUSCC quadruple pole	-	3	0.24 kg
-	on demand	-	Version with special indicator	Standard: 220V-700V AC/DC Very low: 20V-50V AC/DC Low: 50V-250V AC/DC	-	-

TECHNICAL DATA

Size	Class CC fuse-links	Class CC fuse-links
Number of poles/phases	1, 1+N, 2, 3, 3+N, 4	1, 1+N, 2, 3, 3+N, 4
Conventional free air thermal current with fuse links I _{th}	30 A	30 A
Degree of protection	IP 20	IP 20
Voltage limit for blown fuse indicator	-	220 to 700V AC/DC
Indication System	without indicator	with indicator
Operating temperature	-40°C to 70°C with carrier operation -50°C to 90°C without carrier operation	-40°C to 70°C with carrier operation -50°C to 90°C without carrier operation
Storage temperature	-40°C to 70°C	-40°C to 70°C
Connection	Max. tightening torque: 2Nm (17.7lbsin) Rigid / Multistrand wire = 1-16mm² (16-6AWG) Max. 2x6mm² PZ2 or flat 5.5x1mm screw drivers recommended (max. diameter 6mm)	Max. tightening torque: 2Nm (17.7lbsin) Rigid / Multistrand wire = 1-16mm² (16-6AWG) Max. 2x6mm² PZ2 or flat 5.5x1mm screw drivers recommended (max. diameter 6mm)

CUSCC without indicator

CUSCC with indicator

MERSEN reserves the right to change, update or correct, without notice, any information contained in this datasheet.

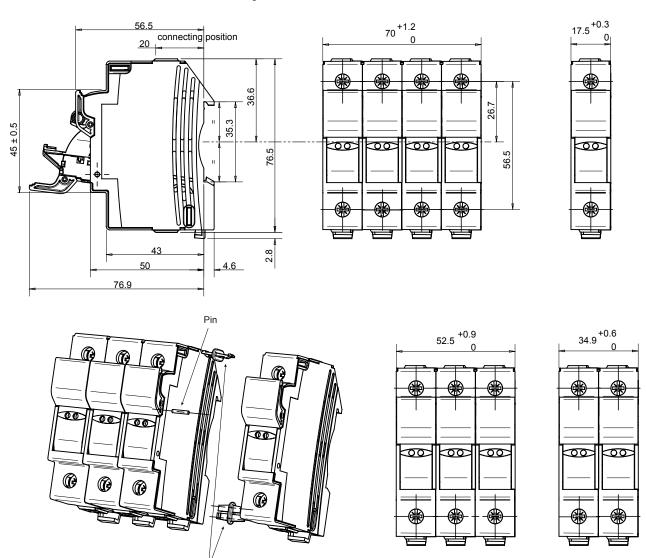
SPECIFIC USAGE CONDITIONS

Ambient temperature	-40° to 20°C	30°C	40°C	50°C	60°C	70°C	80°C	90°C
Derating factor (I _e)	1	1	1	0.92	0.83	0.73	0.62	0.48
Humidity	95%	90%	80%	50%	-	-	-	-
Dampness derating	1	0.95	0.90	-	-	-	-	-

No of poles (side by side)	1 to 3	>/= 4
Derating factor of current (Ith)	1	0.9

DIMENSIONS

MODULOSTAR® CUSCC fuse-holders for cylindrical fuse-links class 10x38mm



Dimensions in mm

Multipolar links

Clips

ACCESSORIES



CMS810PAK

Kit for multi phase connection

Catalog number	Item number	Features	Package	Weight
CMS810PAK	Z233725	Links for connection of multipole units	12	0.5 g

Locking devices



Catalog number	Item number	Features	Package	Weight
LOCK	M223525	Padlock	1	0.48 kg

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